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Barry W. Chapin, Esq.  
Chapin & Huang, L.L.C.  
Westborough Office Park  
1700 West Park Drive  
Westborough, MA 01581

EXAMINER
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SALAD, ABDULLAHI ELMI

ART UNIT	PAPER NUMBER
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2157

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DATE MAILED: 06/04/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/691,895

Applicant(s)

DODRILL ET AL.

Examiner

Salad E Abdullahi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 15 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-51 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-51 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 October 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 3.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_.

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**Response**

1. The amendment filed on 3/15/2004 has been received and made of record.
2. Applicant's argument with respect to claims 1-51 have been considered but are moot in view of new grounds of rejection.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

4. Claims 1-9, 11-20 and 22-51 are rejected under 35 U.S.C. 103(a) as being unpatentable over Augustine et al., U.S. Patent No. 6,574,630 [hereinafter Augustine] in view of Salo et al., U.S. Patent No. 6,609,148[hereinafter Salo].

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As per claim 1, Augustine discloses a method in a notification server for providing a notification of an occurrence of an event, the method comprising the steps of:

- receiving an event notification string comprising event information that identifies at least one feature of the event and identification information that identifies an executable resource capable of processing the event information (event manager 101 receiving event notifications with identification information), (see fig. 1, and col. 7, line 45 to col. 7, line 65);
- determining notification information that identifies a device to be notified of the occurrence of the event in response to receiving the event notification string (i.e. notification identifier or symbol) (col. 7, line 45 to col. 7, line 65); and
- providing an event notification to the device in response to determining the notification information (see col. 7, line 45 to col. 7, line 65).

Augustine is silent regarding:

receiving indication information that identifies an executable resource capable of processing the event information.

Salo discloses an enterprise event notification system for notifying events to users or subscribers including receiving indication information that identifies an executable resource capable of processing the event information (see col. 18, lines 10-49). Furthermore, Salo teaches information identifying an executable resource for processing the event information based user preference is stored on a database. Additionally, Augustine teaches a database for storing personal

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information for users in order the received events to be notified to the subscribed users. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the teaching of Salo such as receiving indication information that identifies an executable resource capable of processing the event information into the system of Augustine such that subscribers may be notified of events according to their respective preferences including subscriber device type, thus increasing the system flexibility for sending notifications to different types of notification devices.

In considering claim 2, Augustine et al., discloses a system, wherein the step of receiving the event notification string comprises receiving a hypertext transport protocol (HTTP) request comprising the event information and the identification information (see col. 7, lines 56-65).

In considering claim 3, Augustine et al., discloses a system, wherein the step of receiving the event notification string comprises receiving at least one of an event type, an event value, an application session identifier, and a parameter (see col. 7, lines 56-65).

In considering claims 4, Augustine et al., discloses a system, wherein the step of determining the notification information comprises accessing a database comprising notification preferences of a user (accessing personalization database 165), (see fig. 2 and see col. 5, lines 56-65).

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In considering claim 5, Augustine et al., discloses a system, wherein the step of determining the notification information comprises accessing a database comprising notification preferences of a user (accessing personalization database 165), (see fig. 2 and see col. 5, lines 56-65).

In considering claim 6, Augustine et al., discloses a system, wherein the step of determining the notification information comprises accessing a database comprising notification preferences of a user (accessing personalization database 165), (see fig. 2 and see col. 5, lines 56-65).

In considering claim 7, Augustine et al., discloses a system, wherein the step of determining the notification information comprises accessing a database comprising notification preferences of a user (accessing personalization database 165), (see fig. 2 and see col. 5, lines 56-65).

In considering claim 8, Augustine et al., discloses a system, wherein the step of providing the event notification comprises notifying at least one preferred device (personal computing device 105) identified by the notification preferences (see col. 7, line 45 to col. 7, line 65).

In considering claim 9, Augustine et al., disclose a system, wherein the step of receiving the event notification string comprises receiving an application session

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identifier, and the step of determining the notification information comprises accessing a application-state data record based on the application session identifier (see col. 7, lines 6-56).

In considering claim 11, Augustine discloses a system, further comprising the steps of:

providing an event identifier in response to receiving the event notification string and determining the notification information (col. 7, line 45 to col. 7, line 65); receiving a query request based on the event identifier that requests a status of the event notification (col. 7, line 45 to col. 7, line 65); and providing a response to the query request that indicates the status of the event notification (col. 7, line 45 to col. 7, line 65).

As per claim 12, Augustine discloses a notification server (server 102) for providing a notification of an occurrence of an event, the method comprising the steps of:

- a network interface (see fig. 1);
- an executable resource (see scripting engine 102)
- receiving an event notification string comprising event information that identifies at least one feature of the event and identification information (event manager 101 receiving event notifications with identification information), (see fig. 1, and col. 7, line 45 to col. 7, line 65);

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- determining notification information that identifies a device to be notified of the occurrence of the event in response to receiving the event notification string (i.e. notification identifier or symbol) (col. 7, line 45 to col. 7, line 65); and
- providing an event notification to the device in response to determining the notification information (see col. 7, line 45 to col. 7, line 65).

Augustine is silent regarding:

receiving indication information that identifies an executable resource capable of processing the event information.

Salo discloses an enterprise event notification system for notifying events to users or subscribers including receiving indication information that identifies an executable resource capable of processing the event information (see col. 18, lines 10-49). Furthermore, Salo teaches information identifying an executable resource for processing the event information based user preference is stored on a database. Additionally, Augustine teaches a database for storing personal information for users in order the received events to be notified to the subscribed users. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the teaching of Salo such as receiving indication information that identifies an executable resource capable of processing the event information into the system of Augustine such that subscribers may be notified of events according to their respective preferences including subscriber device type, thus increasing the system flexibility for sending notifications to different types of notification devices.



In considering claim 13, Augustine et al., discloses a system, wherein the step of receiving the event notification string comprises receiving a hypertext transport protocol (HTTP) request comprising the event information and the identification information (see col. 7, lines 56-65).

In considering claim 14, Augustine et al., discloses a system, wherein the step of receiving the event notification string comprises receiving at least one of an event type, an event value, an application session identifier, and a parameter (see col. 7, lines 56-65).

In considering claim 15, Augustine et al., discloses a system, wherein the step of determining the notification information comprises accessing a database comprising notification preferences of a user (accessing personalization database 165), (see fig. 2 and see col. 5, lines 56-65).

In considering claim 16 Augustine et al., discloses a system, wherein the step of determining the notification information comprises accessing a database comprising notification preferences of a user (accessing personalization database 165), (see fig. 2 and see col. 5, lines 56-65).

In considering claim 17, Augustine et al., discloses a system, wherein the step of determining the notification information comprises accessing a database

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comprising notification preferences of a user (accessing personalization database 165), (see fig. 2 and see col. 5, lines 56-65).

In considering claim 18, Augustine et al., discloses a system, wherein the step of determining the notification information comprises accessing a database comprising notification preferences of a user (accessing personalization database 165), (see fig. 2 and see col. 5, lines 56-65).

In considering claim 19, Augustine et al., discloses a system, wherein the step of providing the event notification comprises notifying at least one preferred device (personal computing device 105) identified by the notification preferences (see col. 7, line 45 to col. 7, line 65).

In considering claim 20, Augustine et al., disclose a system, wherein the step of receiving the event notification string comprises receiving an application session identifier, and the step of determining the notification information comprises accessing a application-state data record based on the application session identifier (see col. 7, lines 6-56).

In considering claim 22, Augustine discloses a system, further comprising the steps of:

providing an event identifier in response to receiving the event notification string and determining the notification information (col. 7, line 45 to col. 7, line 65);

receiving a query request based on the event identifier that requests a status of the event notification (col. 7, line 45 to col. 7, line 65); and  
providing a response to the query request that indicates the status of the event notification (col. 7, line 45 to col. 7, line 65).

As per claim 23, Augustine discloses a method in a notification server for providing a notification of an occurrence of an event, the method comprising the steps of:

- receiving an event notification string comprising event information that identifies at least one feature of the event and identification information that identifies an executable resource capable of processing the event information (event manager 101 receiving event notifications with identification information), (see fig. 1, and col. 7, line 45 to col. 7, line 65);
- determining notification information that identifies a device to be notified of the occurrence of the event in response to receiving the event notification string (i.e. notification identifier or symbol) (col. 7, line 45 to col. 7, line 65); and
- providing an event notification to the device in response to determining the notification information (see col. 7, line 45 to col. 7, line 65).

Augustine is silent regarding:

receiving indication information that identifies an executable resource capable of processing the event information.

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Salo discloses an enterprise event notification system for notifying events to users or subscribers including receiving indication information that identifies an executable resource capable of processing the event information (see col. 18, lines 10-49). Furthermore, Salo teaches information identifying an executable resource for processing the event information based user preference is stored on a database. Additionally, Augustine teaches a database for storing personal information for users in order the received events to be notified to the subscribed users. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the teaching of Salo such as receiving indication information that identifies an executable resource capable of processing the event information into the system of Augustine such that subscribers may be notified of events according to their respective preferences including subscriber device type, thus increasing the system flexibility for sending notifications to different types of notification devices.

In considering claim 24, Augustine et al., discloses a system, wherein the step of receiving the event notification string comprises receiving a hypertext transport protocol (HTTP) request comprising the event information and the identification information (see col. 7, lines 56-65).

As to claim 25, Augustine discloses a computer program product that includes a computer readable medium having instructions for providing a notification of an

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occurrence of an event, such that the instructions when carried out by a computer cause the computer to perform the steps of:

- receiving an event notification string comprising event information that identifies at least one feature of the event and identification information that identifies an executable resource capable of processing the event information (event manager 101 receiving event notifications with identification information), (see fig. 1, and col. 7, line 45 to col. 7, line 65);
- determining notification information that identifies a device to be notified of the occurrence of the event in response to receiving the event notification string (i.e. notification identifier or symbol) (col. 7, line 45 to col. 7, line 65); and
- providing an event notification to the device in response to determining the notification information (see col. 7, line 45 to col. 7, line 65).

Augustine is silent regarding:

receiving indication information that identifies an executable resource capable of processing the event information.

Salo discloses an enterprise event notification system for notifying events to users or subscribers including receiving indication information that identifies an executable resource capable of processing the event information (see col. 18, lines 10-49). Furthermore, Salo teaches information identifying an executable resource for processing the event information based user preference is stored on a database. Additionally, Augustine teaches a database for storing personal information for users in order the received events to be notified to the subscribed

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users. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the teaching of Salo such as receiving indication information that identifies an executable resource capable of processing the event information into the system of Augustine such that subscribers may be notified of events according to their respective preferences including subscriber device type, thus increasing the system flexibility for sending notifications to different types of notification devices.

As to claim 26, Augustine disclose the computer program product of claim 25, wherein the step of receiving the event notification string comprises receiving a hypertext transport protocol (HTTP) request comprising the event information and the identification information (see col. 7, lines 56-65).

As to claim 27, Augustine discloses a method in a computer system for requesting a notification of an occurrence of an event, the method comprising the steps of:

- detecting the occurrence of the event (event manager 101 receiving event notifications with identification information), (see fig. 1, and col. 7, line 45 to col. 7, line 65);
- generating an event notification string in response to detecting the occurrence of the event, the event notification string comprising event information that identifies at least one feature of the event (event manager

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101 receiving event notifications with identification information) (see fig. 1, and col. 7, line 45 to col. 7, line 65);and

- providing the event notification string to the notification server in response to generating the event notification string(see col. 7, line 45 to col. 7, line 65).

Augustine is silent regarding:

receiving indication information that identifies an executable resource capable of processing the event information.

Salo discloses an enterprise event notification system for notifying events to users or subscribers including receiving indication information that identifies an executable resource capable of processing the event information (see col. 18, lines 10-49). Furthermore, Salo teaches information identifying an executable resource for processing the event information based user preference is stored on a database. Additionally, Augustine teaches a database for storing personal information for users in order the received events to be notified to the subscribed users. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the teaching of Salo such as receiving indication information that identifies an executable resource capable of processing the event information into the system of Augustine such that subscribers may be notified of events according to their respective preferences including subscriber device type, thus increasing the system flexibility for sending notifications to different types of notification devices.

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As to claim 28, Augustine discloses the method of claim 27, wherein the step of generating the event notification string comprises generating a hypertext transport protocol (HTTP) request comprising the event information and the identification information (see col. 7, lines 56-65).

As to claim 29, Augustine discloses the method of claim 27, wherein the step of generating the event notification string comprises referencing a uniform resource locator (URL) comprising the event information, the identification information, and an address of the notification server, and generating a hypertext transport protocol (HTTP) request based on the URL (see col. 7, lines 7-30).

As to claim 30, Augustine discloses the method of claim 27, wherein the step of generating the event notification string comprises generating at least one of an event type, an event value, an application session identifier, and a parameter (see col. 7, lines 56-65).

As to claim 31, Augustine discloses the method of claim 27, wherein the step of generating the event notification string comprises generating an application session identifier that corresponds to an application-state data record (see col. 7, lines 56-65).

As to claim 32, Augustine discloses the method of claim 27, further comprising the steps of:



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receiving an event identifier in response to providing the event notification string (col. 7, line 45 to col. 7, line 65);

providing a query request based on the event identifier that requests a status of the notification (col. 7, line 45 to col. 7, line 65);and

receiving a response indicating the status of the notification (col. 7, line 45 to col. 7, line 65).

As to claim 33, Augustine discloses a computer system configured for requesting a notification of an occurrence of an event, the computer system comprising:

a network interface(see fig.1); and

a first executable resource(see executable resource 102), wherein:

the first executable resource is configured to detect the occurrence of the event), (see fig. 1, and col. 7, line 45 to col. 7, line 65);

the first executable resource is configured to generate an event notification string in response to detecting the occurrence of the event, the event notification string comprising event information that identifies at least one feature of the event),

(see col. 7, line 45 to col. 7, line 65); and

the network interface is configured to provide the event notification string to the notification server) ( col. 7, line 45 to col. 7, line 65);

Augustine is silent regarding:

receiving indication information that identifies an executable resource capable of processing the event information.

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Salo discloses an enterprise event notification system for notifying events to users or subscribers including receiving indication information that identifies an executable resource capable of processing the event information (see col. 18, lines 10-49). Furthermore, Salo teaches information identifying an executable resource for processing the event information based user preference is stored on a database. Additionally, Augustine teaches a database for storing personal information for users in order the received events to be notified to the subscribed users. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the teaching of Salo such as receiving indication information that identifies an executable resource capable of processing the event information into the system of Augustine such that subscribers may be notified of events according to their respective preferences including subscriber device type, thus increasing the system flexibility for sending notifications to different types of notification devices.

As to claim 34, Augustine discloses the computer system of claim 33, wherein the event notification string is a hypertext transport protocol (HTTP) request comprising the event information and the identification information (see col. Lines 45-64).

As to claim 35, Augustine discloses the computer system of claim 33, further comprising a uniform resource locator (URL) comprising the event information, the identification information, and an address of the notification server, and the

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first executable resource generates a hypertext transport protocol (HTTP) request based on the URL (see col. 7, lines 7-30).

As to 36, Augustine discloses the computer system of claim 33, wherein the event notification string comprises at least one of an event type, an event value, an application session identifier, and a parameter (see col. 7, lines 56-65).

As to claim 37, Augustine discloses the computer system of claim 33, wherein the event notification string comprises an application session identifier that corresponds to an application-state data record (see col. 7, lines 56-65).

As to claim 38, Augustine discloses the computer system of claim 33, wherein: the network interface receives an event identifier in response to the event notification string (col. 7, line 45 to col. 7, line 65);

the first executable resource provides through the network interface a query request based on the event identifier that requests a status of the notification (col. 7, line 45 to col. 7, line 65); and

the network interface receives a response indicating the status of the notification (col. 7, line 45 to col. 7, line 65).

As to claim 39, Augustine discloses a computer system configured for requesting a notification of an occurrence of an event, the computer system comprising: a network interface (see fig. 1); and

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means for producing an event notification string (col. 7, line 45 to col. 7, line 65);

wherein:

the producing means is configured to detect the occurrence of the event col. 7, line 45 to col. 7, line 65); the producing means is configured to generate an event notification string in response to detecting the occurrence of the event, the event notification string comprising event information that identifies at least one feature of the event (col. 7, line 45 to col. 7, line 65); and

the network interface is configured to provide the event notification string to the notification server (col. 7, line 45 to col. 7, line 65).

Augustine is silent regarding:

receiving indication information that identifies an executable resource capable of processing the event information.

Salo discloses an enterprise event notification system for notifying events to users or subscribers including receiving indication information that identifies an executable resource capable of processing the event information (see col. 18, lines 10-49). Furthermore, Salo teaches information identifying an executable resource for processing the event information based user preference is stored on a database. Additionally, Augustine teaches a database for storing personal information for users in order the received events to be notified to the subscribed users. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the teaching of Salo such as receiving indication information that identifies an executable resource capable of processing the event information into the system of Augustine such that

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subscribers may be notified of events according to their respective preferences including subscriber device type, thus increasing the system flexibility for sending notifications to different types of notification devices.

As to claim 40, Augustine discloses the computer system of claim 39, wherein the event notification string is a hypertext transport protocol (HTTP) request comprising the event information and the identification information (see col. Lines 45-64).

As to claim 41, Augustine discloses a computer program product that includes a computer readable medium having instructions for requesting a notification of an occurrence of an event, such that the instructions, when carried out by a computer, cause the computer to perform the steps of:

detecting the occurrence of the event(event manager 101 receiving event notifications with identification information), (see fig. 1, and col. 7, line 45 to col. 7, line 65);

generating an event notification string in response to detecting the occurrence of the event, the event notification string comprising event information that identifies at least one feature of the event(event manager 101 receiving event notifications with identification information), (see fig. 1, and col. 7, line 45 to col. 7, line 65);  
and

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providing the event notification string to the notification server in response to generating the event notification string(event manager 101 receiving event notifications with identification information), (see col. 7, lines 11-65).

As to claim 42, Augustine discloses the computer program product of claim 41, wherein the step of generating the event notification string comprises generating a hypertext transport protocol (HTTP) request comprising the event information and the identification information (see col. 7, lines 45-64).

As to claim 43, Augustine discloses a hypertext transport protocol (HTTP) request suitable for use in requesting a notification of an occurrence of an event, comprising:

event information that identifies at least one feature of the event(event manager 101 receiving event notifications with identification information), (see fig. 1, and col. 7, line 45 to col. 7, line 65).

Augustine is silent regarding:

receiving indication information that identifies an executable resource capable of processing the event information.

Salo discloses an enterprise event notification system for notifying events to users or subscribers including receiving indication information that identifies an executable resource capable of processing the event information (see col. 18, lines 10-49). Furthermore, Salo teaches information identifying an executable resource for processing the event information based user preference is stored on

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a database. Additionally, Augustine teaches a database for storing personal information for users in order the received events to be notified to the subscribed users. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the teaching of Salo such as receiving indication information that identifies an executable resource capable of processing the event information into the system of Augustine such that subscribers may be notified of events according to their respective preferences including subscriber device type, thus increasing the system flexibility for sending notifications to different types of notification devices.

As to claim 44, Augustine discloses the hypertext transport protocol request of claim 43, wherein the event information comprises at least one of an event type, an event value, an application session identifier and a parameter (see col. 7, lines 56-65).

As to claim 45, Augustine discloses the hypertext transport protocol request of claim 43, wherein the event information comprises an application session identifier that corresponds to an application-state data record(see col. 7, lines 56-65).

As to claim 46, Augustine discloses a computer data propagated signal embodied in a propagated propagation medium, having a packet of data comprising a hypertext transport protocol (HTTP) request suitable for use in

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requesting a notification of an occurrence of an event, the HTTP request comprising:

event information that identifies at least one feature of the even (see fig. 1, and col. 7, line 45 to col. 7, line 65).

Augustine is silent regarding:

receiving indication information that identifies an executable resource capable of processing the event information.

Salo discloses an enterprise event notification system for notifying events to users or subscribers including receiving indication information that identifies an executable resource capable of processing the event information (see col. 18, lines 10-49). Furthermore, Salo teaches information identifying an executable resource for processing the event information based user preference is stored on a database. Additionally, Augustine teaches a database for storing personal information for users in order the received events to be notified to the subscribed users. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the teaching of Salo such as receiving indication information that identifies an executable resource capable of processing the event information into the system of Augustine such that subscribers may be notified of events according to their respective preferences including subscriber device type, thus increasing the system flexibility for sending notifications to different types of notification devices.



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As to claim 47, Augustine disclose the computer data propagated signal of claim 46, wherein the event information comprises at least one of an event type, an event value, an application session identifier, and a parameter(see col. 7, lines 56-65).

As to claim 48, Augustine discloses the computer data propagated signal of claim 46, wherein the event information comprises an application session identifier that corresponds to an application-state data record (see col. 7, lines 56-65).

As to claim 49, Augustine discloses a uniform resource locator (UURL) suitable for use in requesting a notification of an occurrence of an even, the URL comprising: event information that identifies at least one feature of the event (see col. 7, line 45 to col. 7, line 65); and an address of the notification server (see col. 7, lines 7-30).

Augustine is silent regarding:

receiving indication information that identifies an executable resource capable of processing the event information.

Salo discloses an enterprise event notification system for notifying events to users or subscribers including receiving indication information that identifies an executable resource capable of processing the event information (see col. 18, lines 10-49). Furthermore, Salo teaches information identifying an executable resource for processing the event information based user preference is stored on a database. Additionally, Augustine teaches a database for storing personal

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information for users in order the received events to be notified to the subscribed users. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the teaching of Salo such as receiving indication information that identifies an executable resource capable of processing the event information into the system of Augustine such that subscribers may be notified of events according to their respective preferences including subscriber device type, thus increasing the system flexibility for sending notifications to different types of notification devices.

As to claim 50, Augustine discloses the uniform resource locator of claim 49, wherein the event information comprises at least one of an event type, an event value, an application session identifier, and a parameter(see col. 7, lines 56-65).

as to claim 51, Augustine discloses the uniform resource locator of claim 49, wherein the event information comprises an application session identifier that corresponds to an application-state data record(see col. 7, lines 56-65).

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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6. Claims 10 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Augustine and Salo as applied to claims 1 and 12 above, and further in view of Nelson U. S. Patent No. 6,496,568[hereinafter Nelson].

As to claim 10, although Augustine and Salo disclose substantial features of the claimed invention, as discussed above with respect to claim 1,

Augustine and Salo are silent regarding: the step of providing an event notification to the device comprises providing the event notification based on an application programming interface (API) to a service that provides communication to an external resource.

Nelson, in an analogous art provides the step of providing the event notification based on application programming interface (API) to a service that provides communication to an external resource (i.e. providing event notification to a user with a pager device (see fig. 1, paging interface 112, and col. 3, line 46 to col. 4, line 45). Therefore, it would have been obvious to one having ordinary skill in the art at time of the invention presented with teaching of Augustine and Salo to utilize the paging interface as taught by Nelson such that users can be provided for notification event in real-time basis.

As to claim 21, although Augustine and Salo disclose substantial features of the claimed invention, as discussed above with respect to claim 12,

Augustine and Salo are silent regarding: the step of providing an event notification to the device comprises providing the event notification based on an

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application programming interface (API) to a service that provides communication to an external resource.

Nelson, in an analogous art provides the step of providing the event notification based on application programming interface (API) to a service that provides communication to an external resource (i.e. providing event notification to a user with a pager device (see fig. 1, paging interface 112, and col. 3, line 46 to col. 4, line 45). Therefore, it would have been obvious to one having ordinary skill in the art at time of the invention presented with teaching of Augustine to utilize the paging interface as taught by Nelson such that users can be provided for notification event in real-time basis.

### **CONCLUSION**

7. The prior art made of record and not relied upon is considered pertinent to the applicant's disclosure.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Salad E Abdullahi whose telephone number is 703-308-8441. The examiner can normally be reached on 8:30 - 5:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 703-305-4792. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public

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PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Any response to this action should mailed to:**

Box AF

Commissioner of Patents and Trademarks

Washington, DC 20231

**or faxed to: (703) (872-9306).**



Abdullahi Salad  
Examiner Art Unit 2157  
703-308-8441  
5/29/2004